

FIG. 2

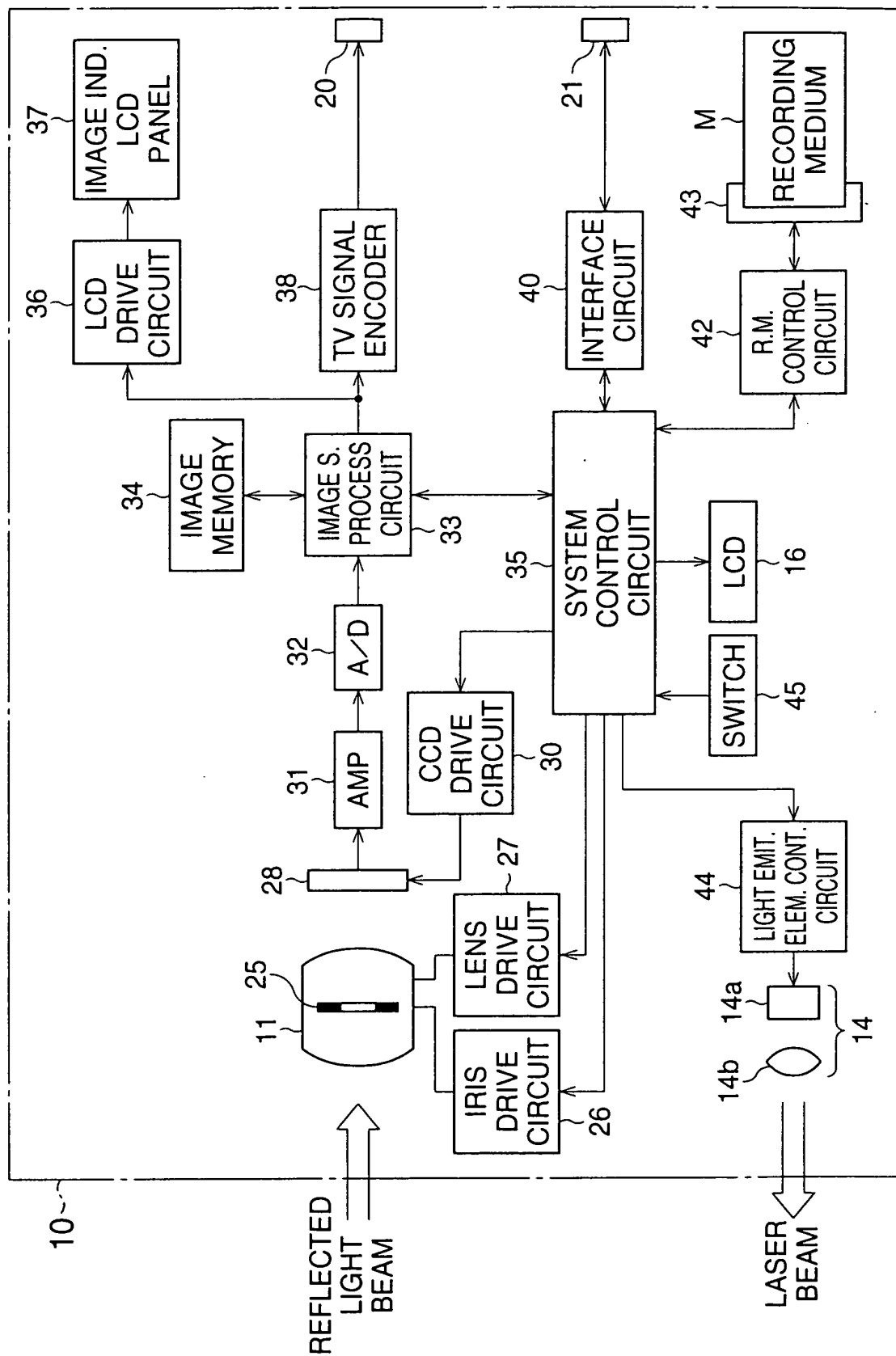
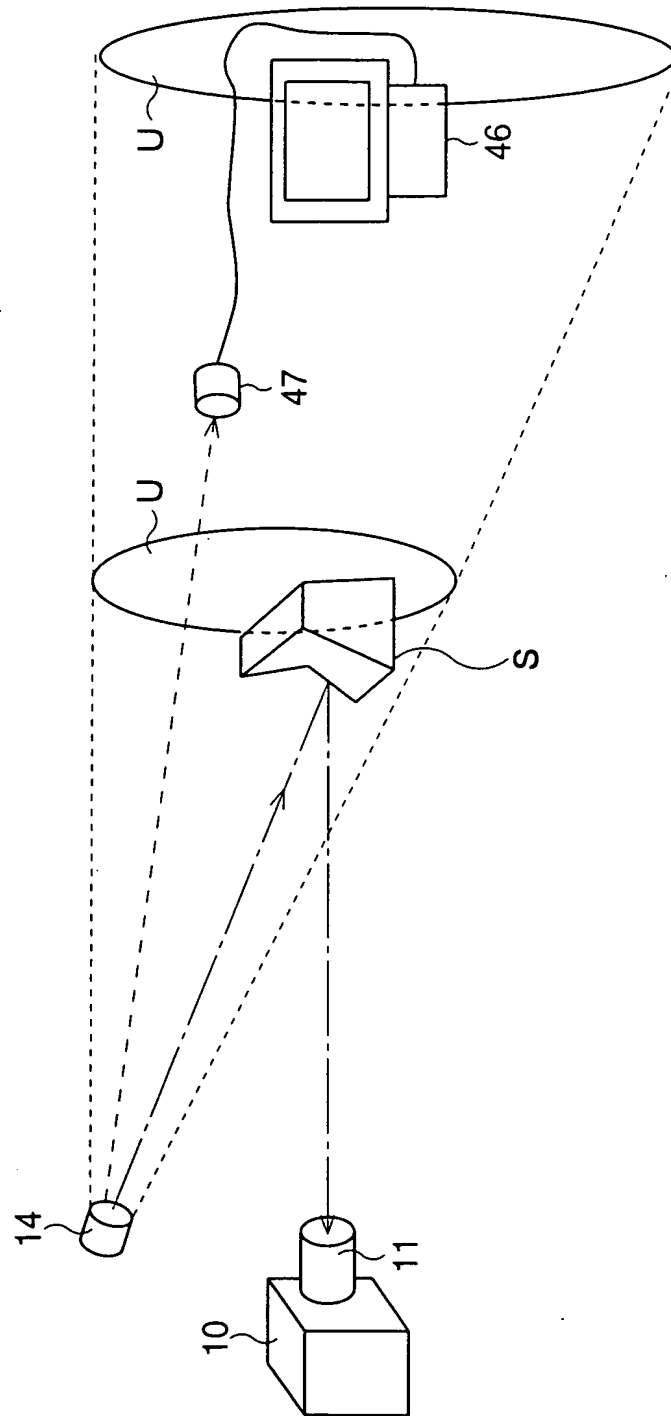


FIG. 3



A diagram showing a mechanical system. On the left, a vertical wall is indicated by diagonal hatching. A spring, labeled 'S', is attached to the wall and extends horizontally to the right. The spring is represented by a coiled line. A horizontal double-headed arrow labeled 'r' indicates the displacement of the spring from its rest position. The spring is connected to a small rectangular block, which is in turn connected to a larger rectangular block labeled 'B'.

The diagram illustrates the timing of four signals in a distance measurement system:

- DISTANCE MEASUREMENT LIGHT BEAM:** A rectangular pulse with duration H .
- REFLECTED LIGHT BEAM:** A rectangular pulse with duration H , starting at a time delay δt after the first pulse begins.
- DETECTING PERIOD:** A rectangular pulse with duration T , which covers the entire duration of the reflected beam.
- RECEIVED LIGHT BEAM DISTRIBUTION:** A shaded rectangular area labeled A , representing the distribution of the received beam during the detecting period.

Vertical dashed lines indicate the start and end of the reflected beam's duration, which are aligned with the start and end of the detecting period.

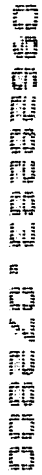
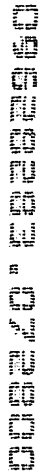
[illegible][illegible]

FIG. 8

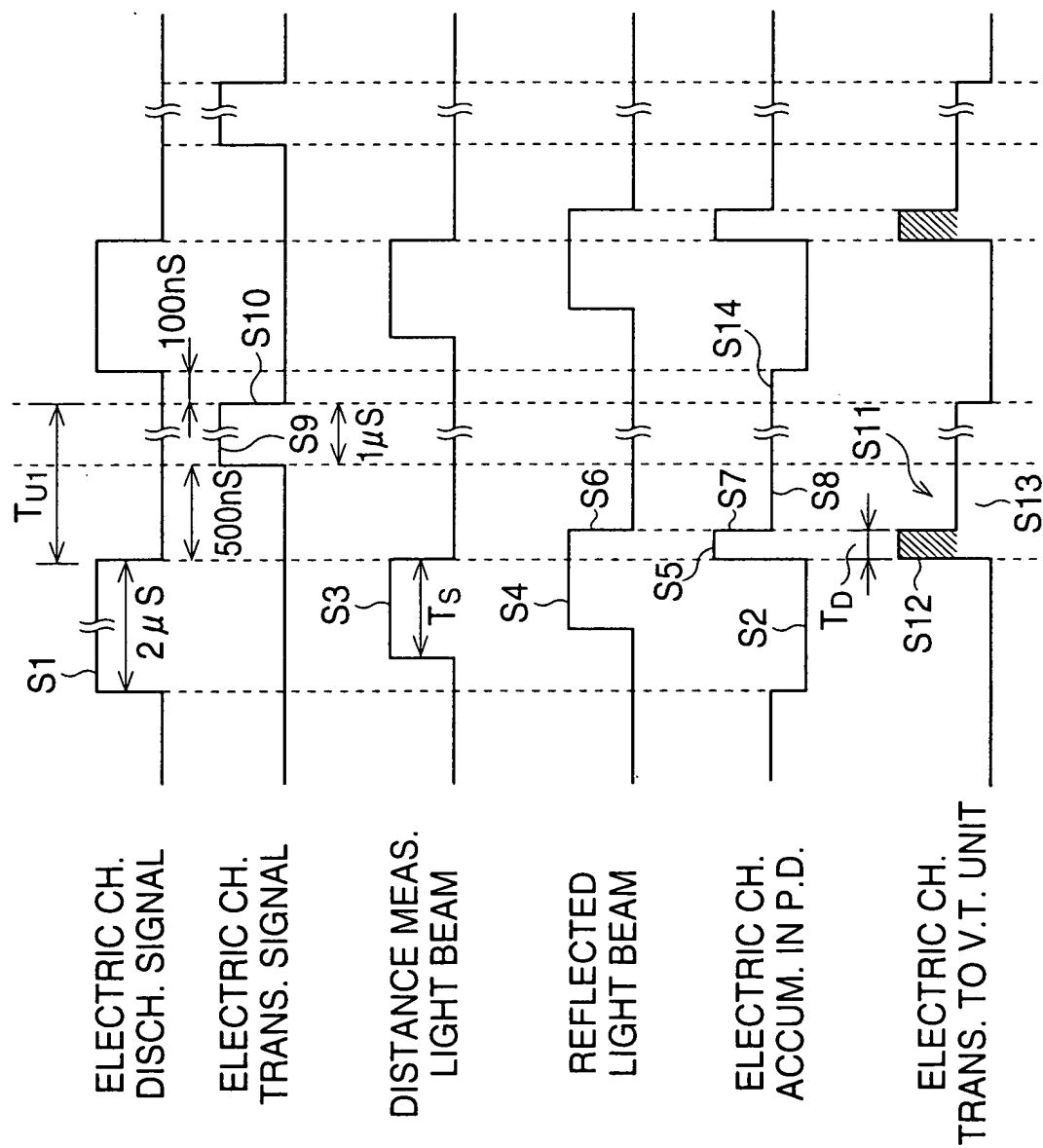


FIG. 9

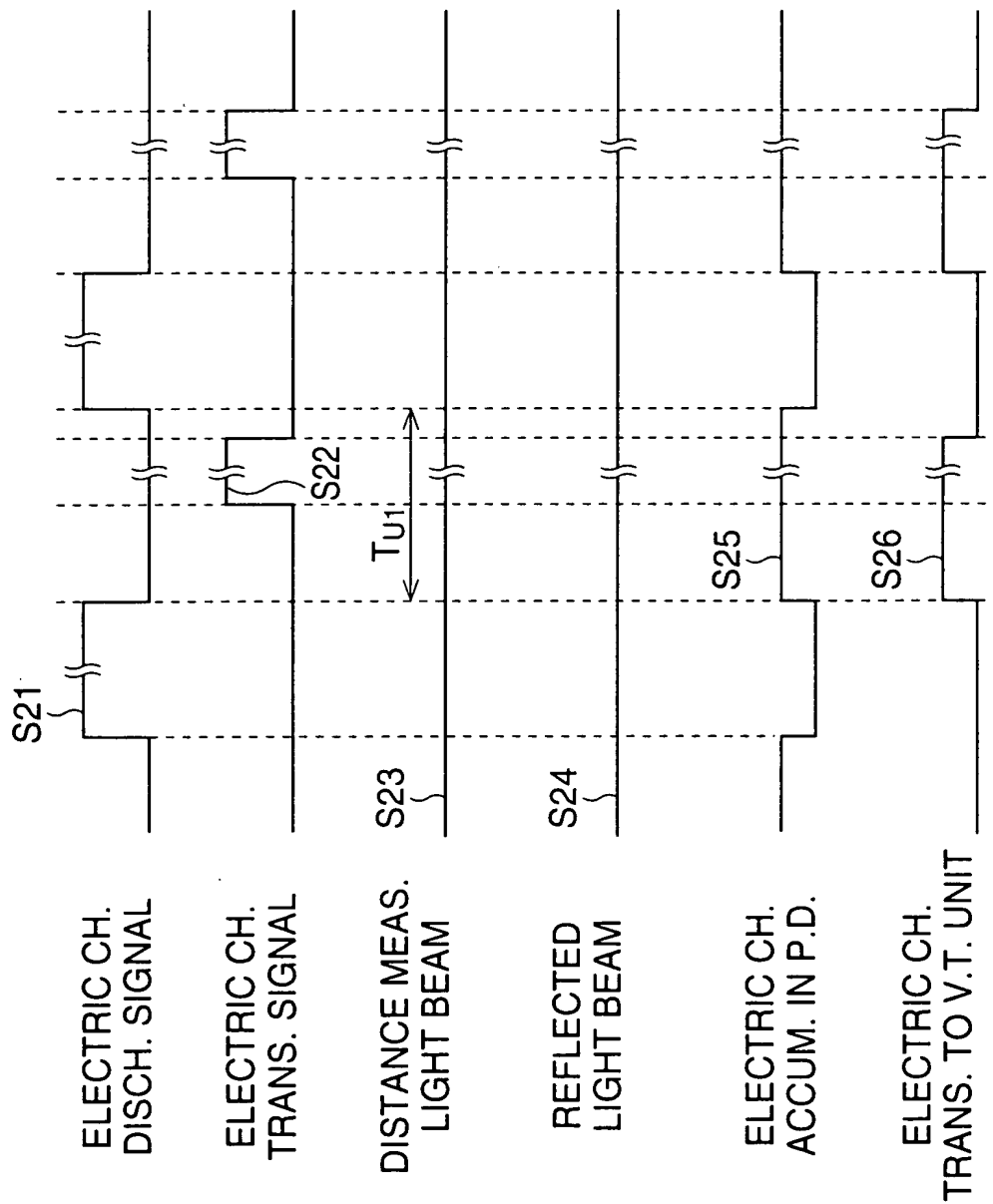


FIG. 10

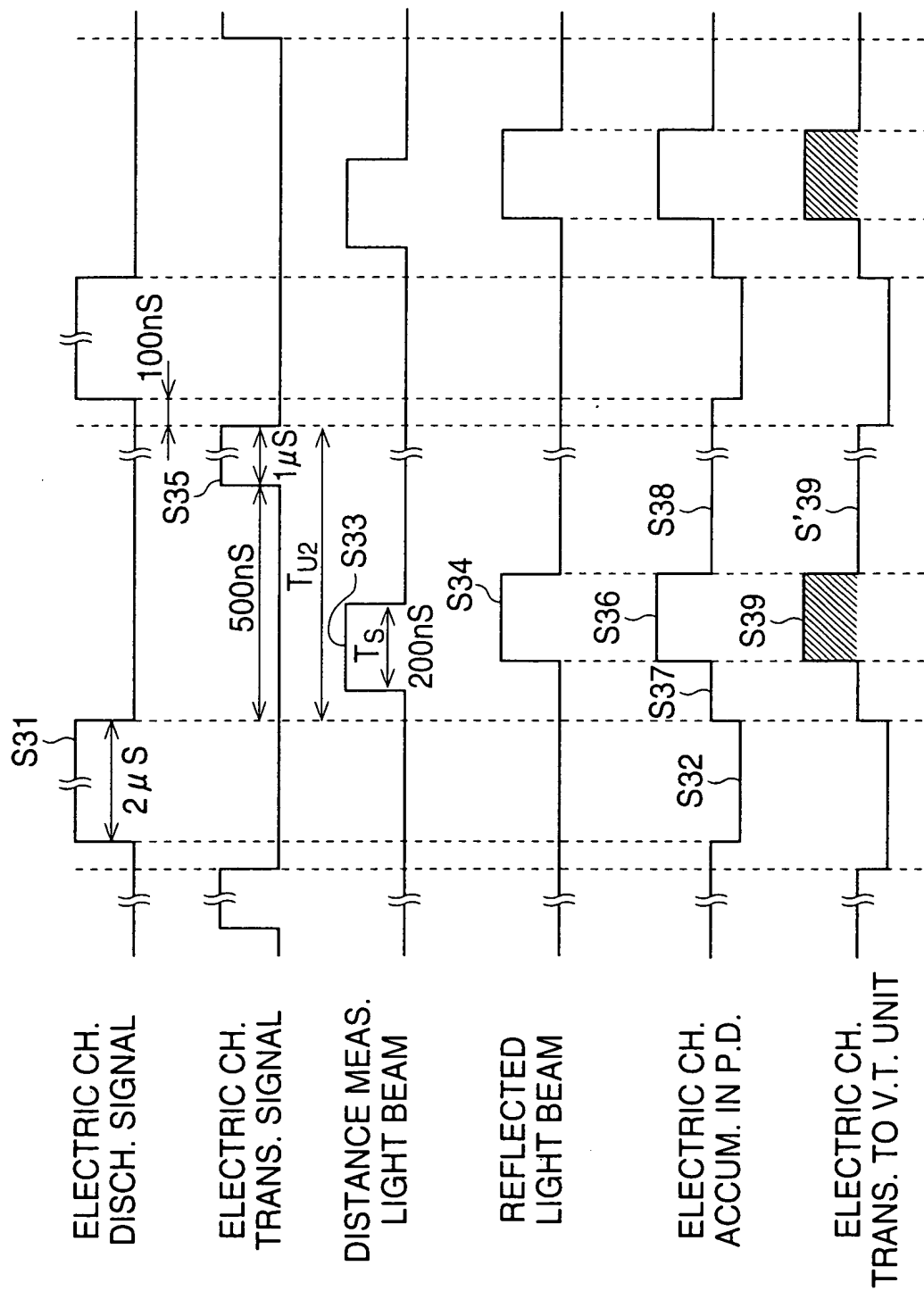
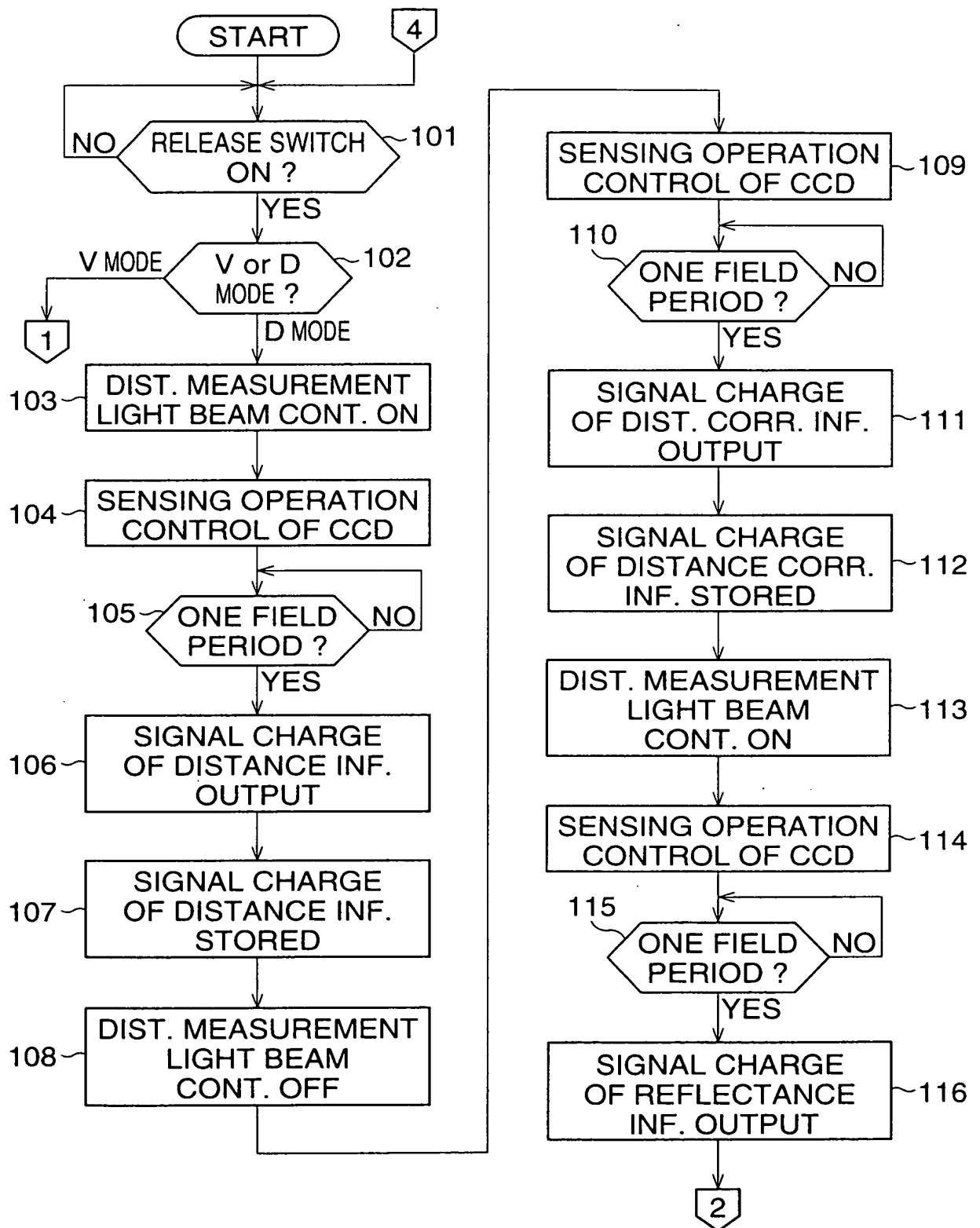
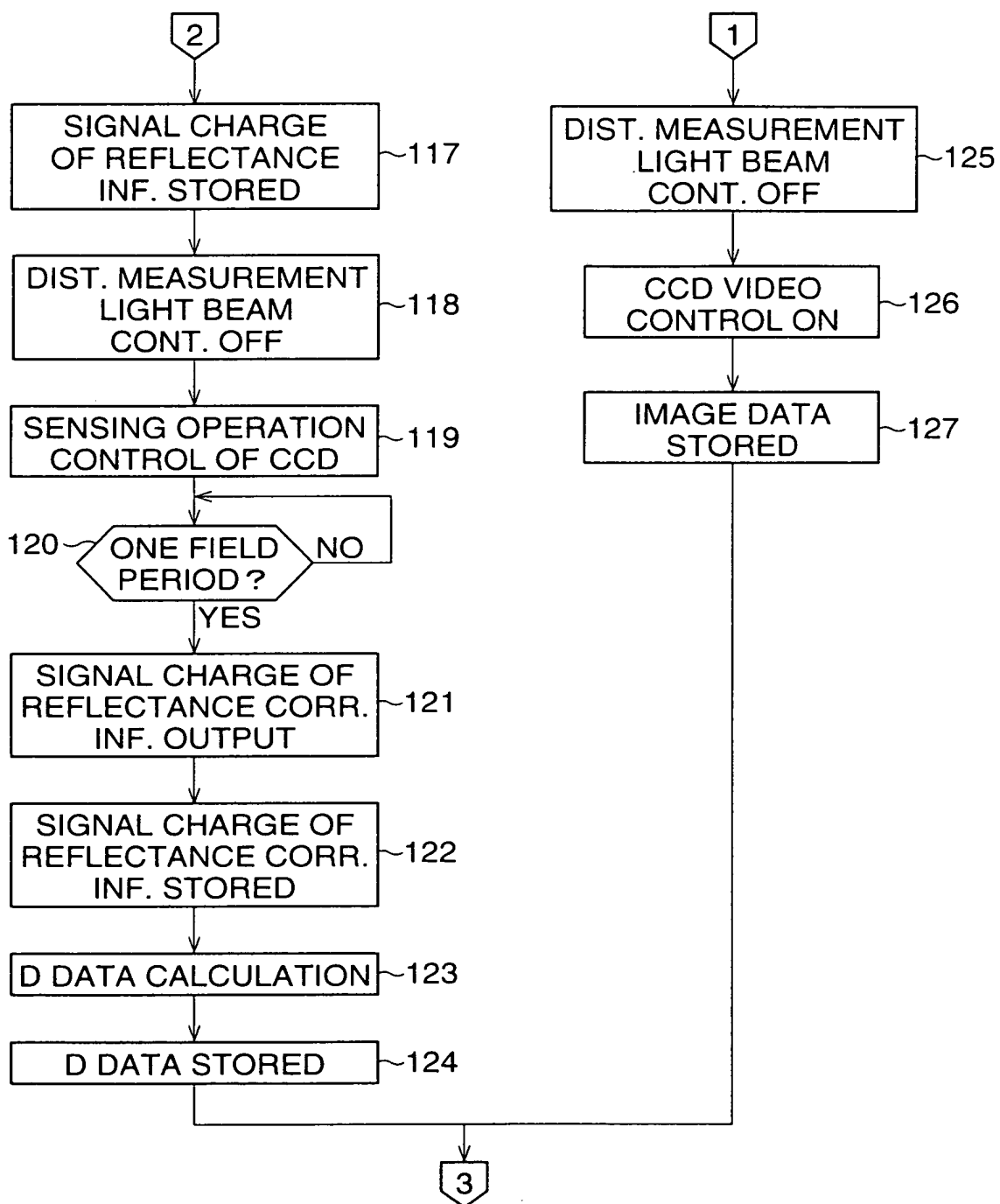


FIG. 12



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FIG. 13



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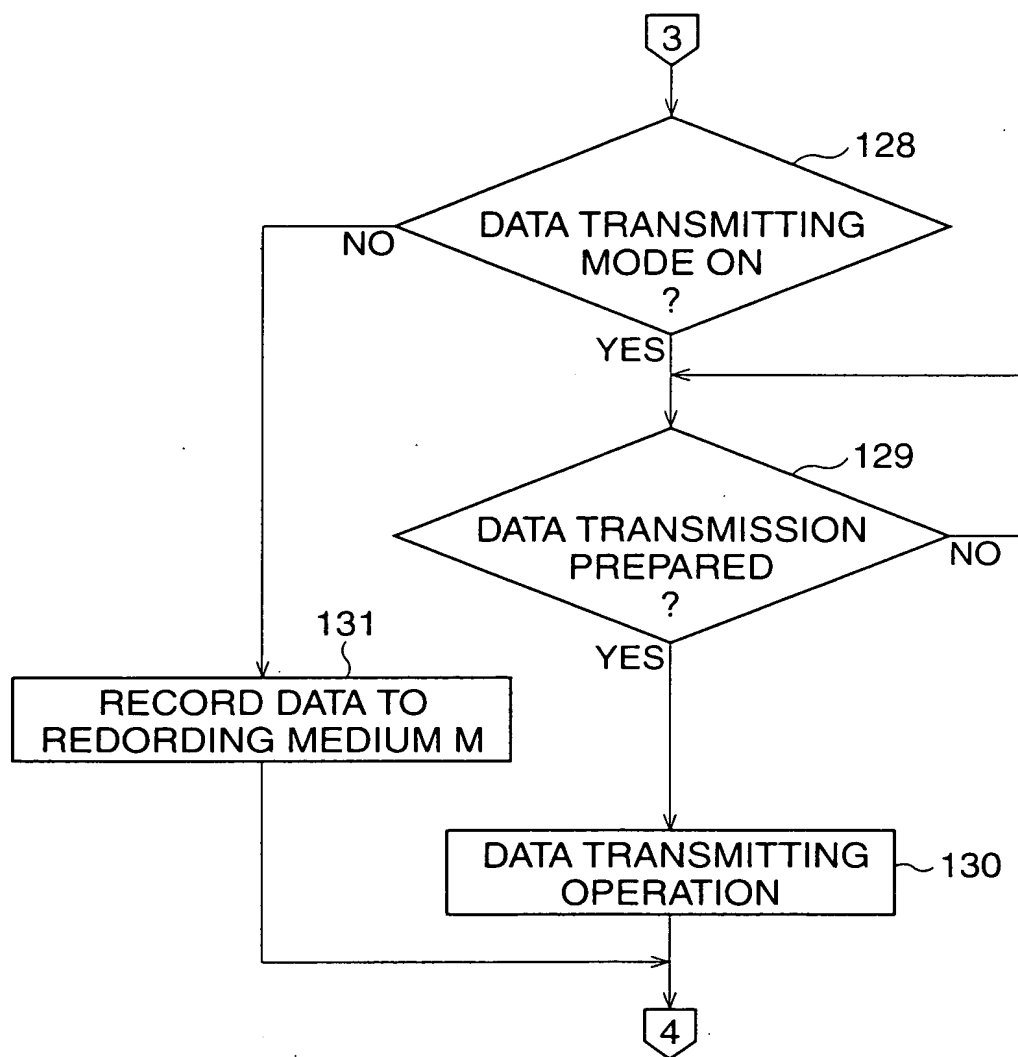
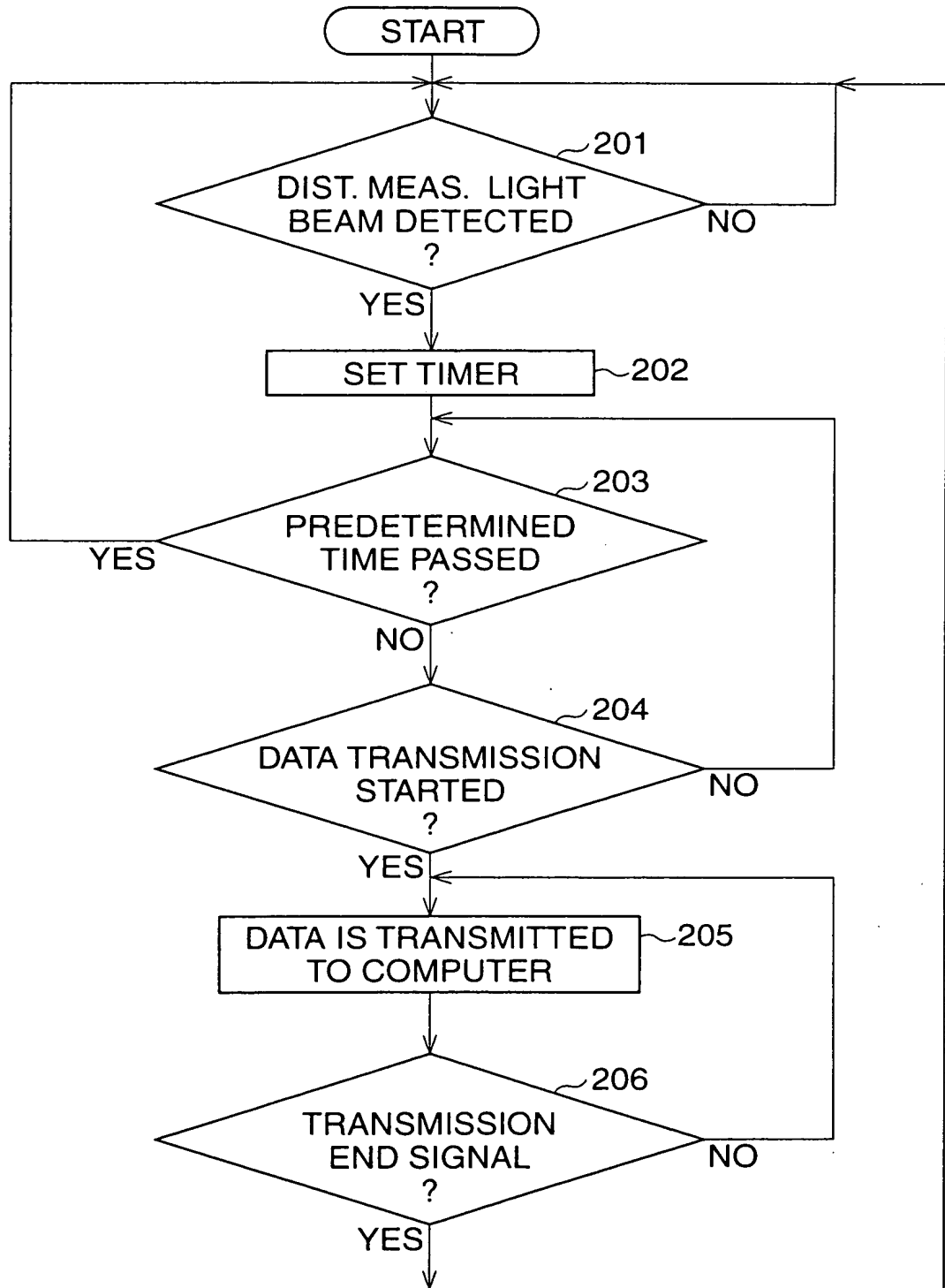


FIG. 15



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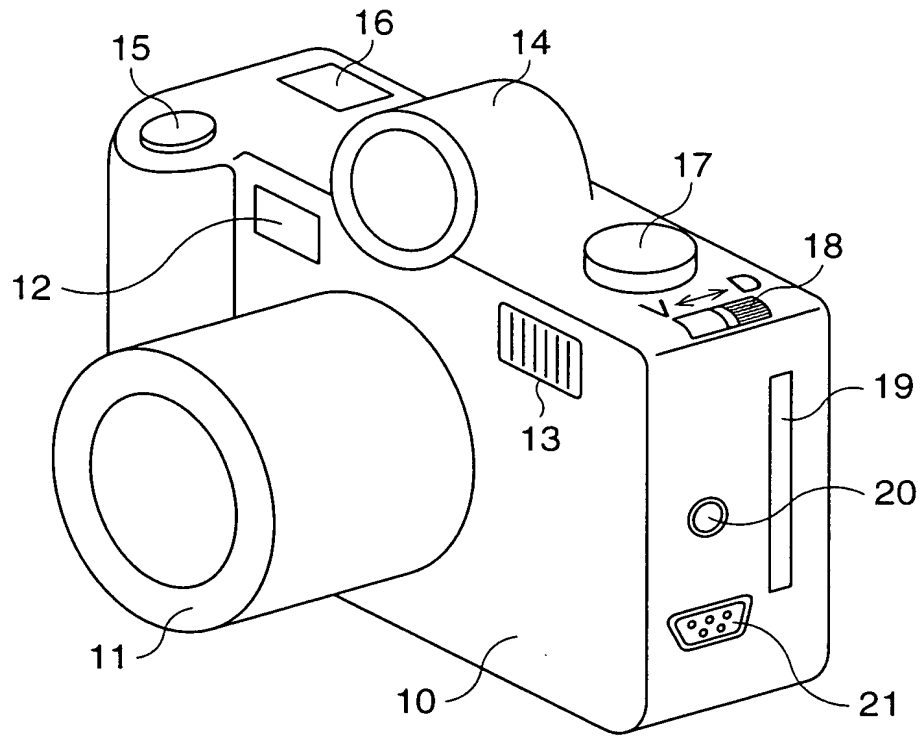


FIG. 17

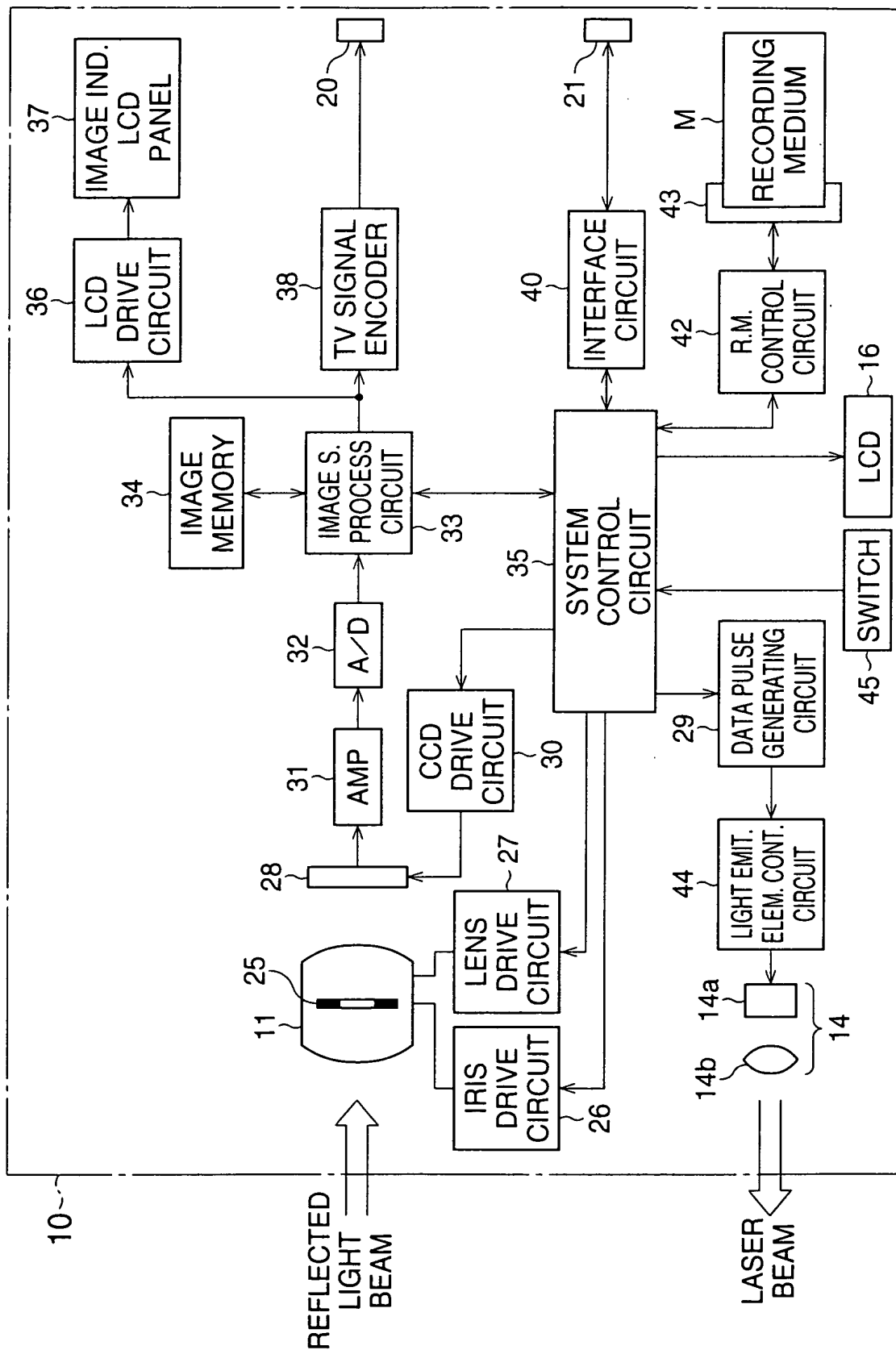


FIG. 18

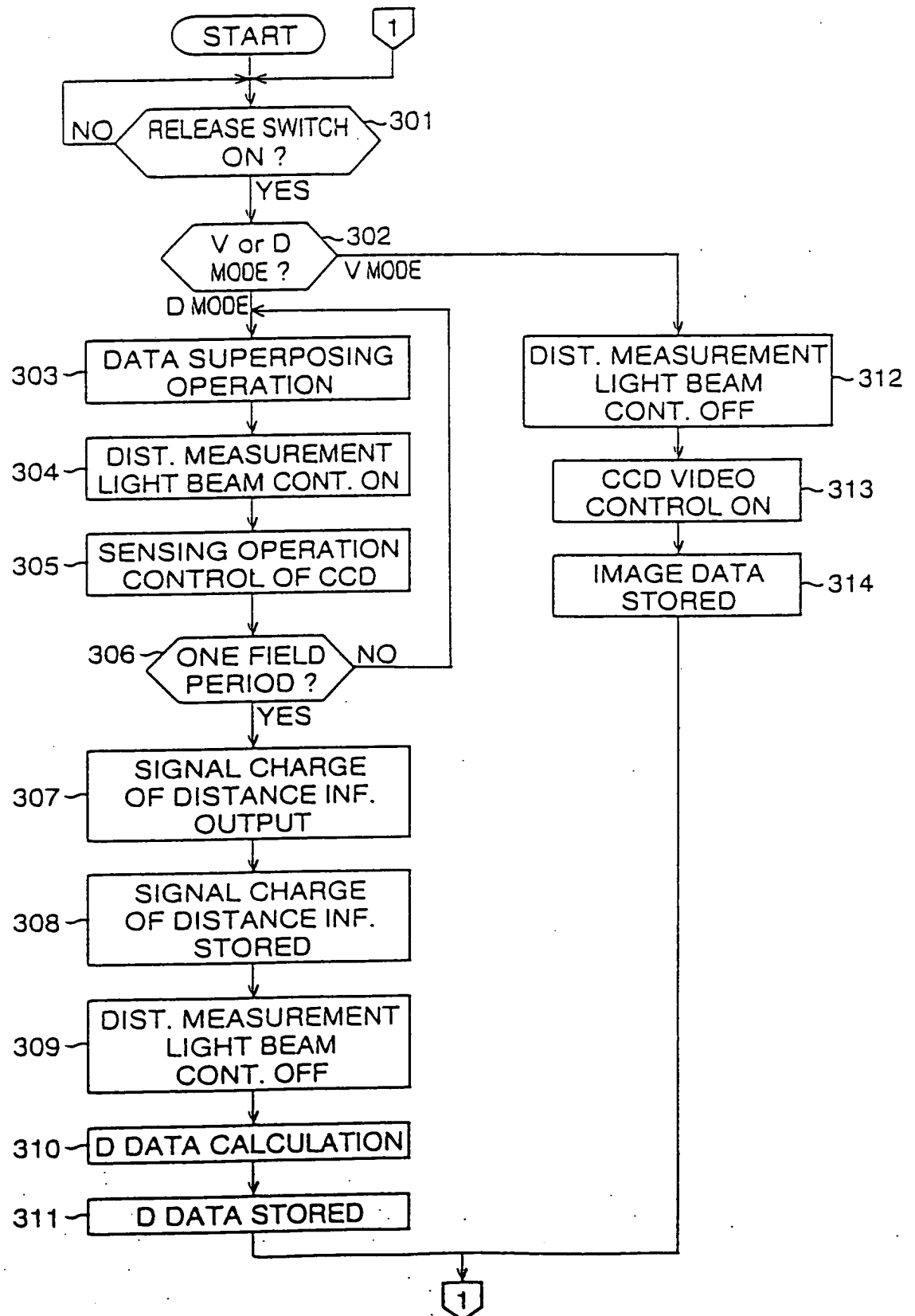


FIG. 20

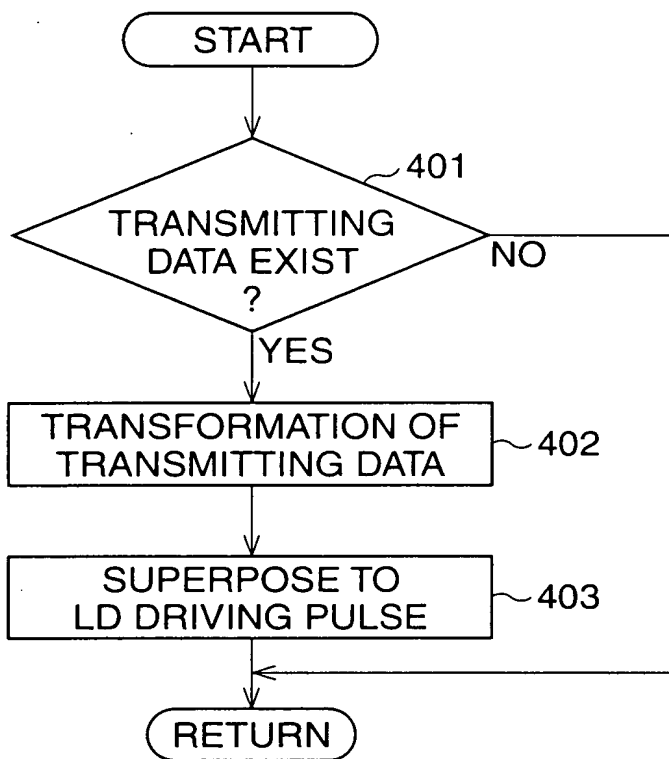


FIG. 21

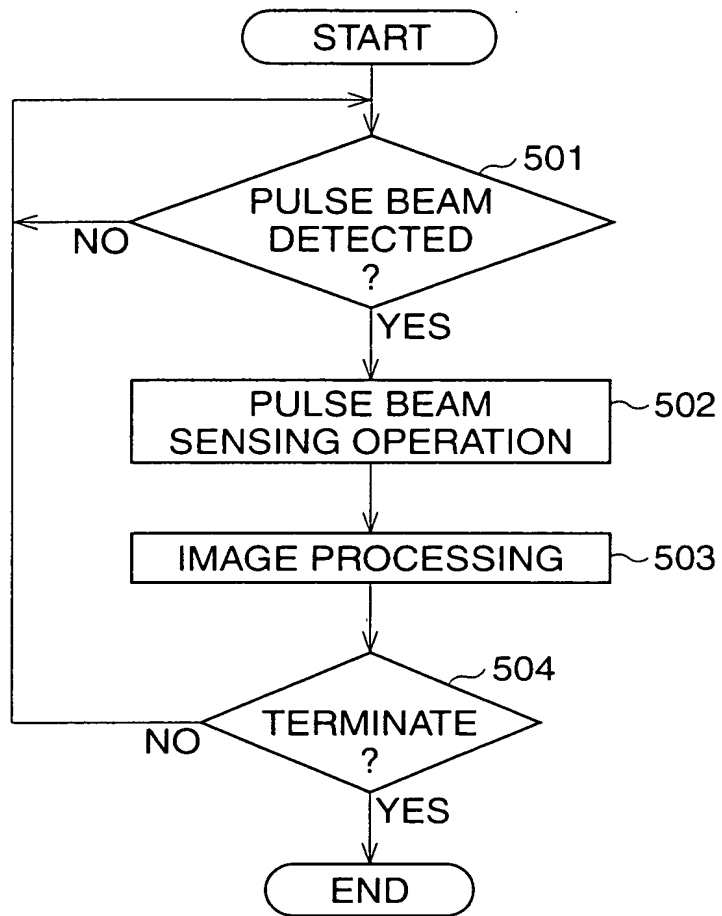


FIG. 22

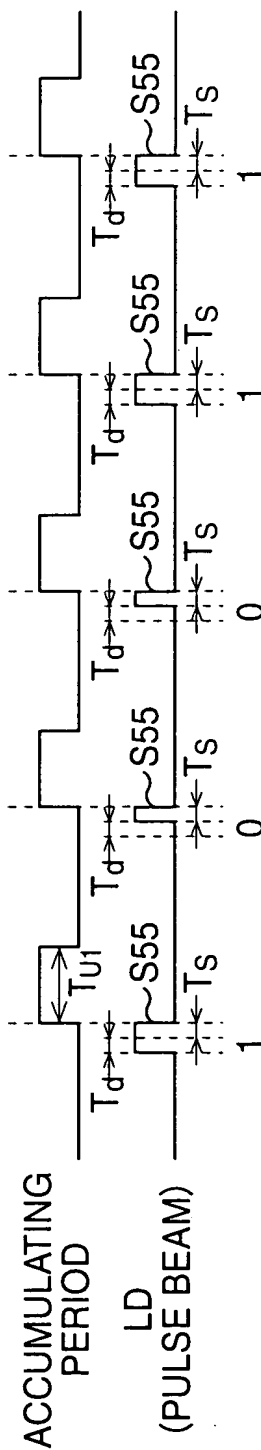


FIG. 23

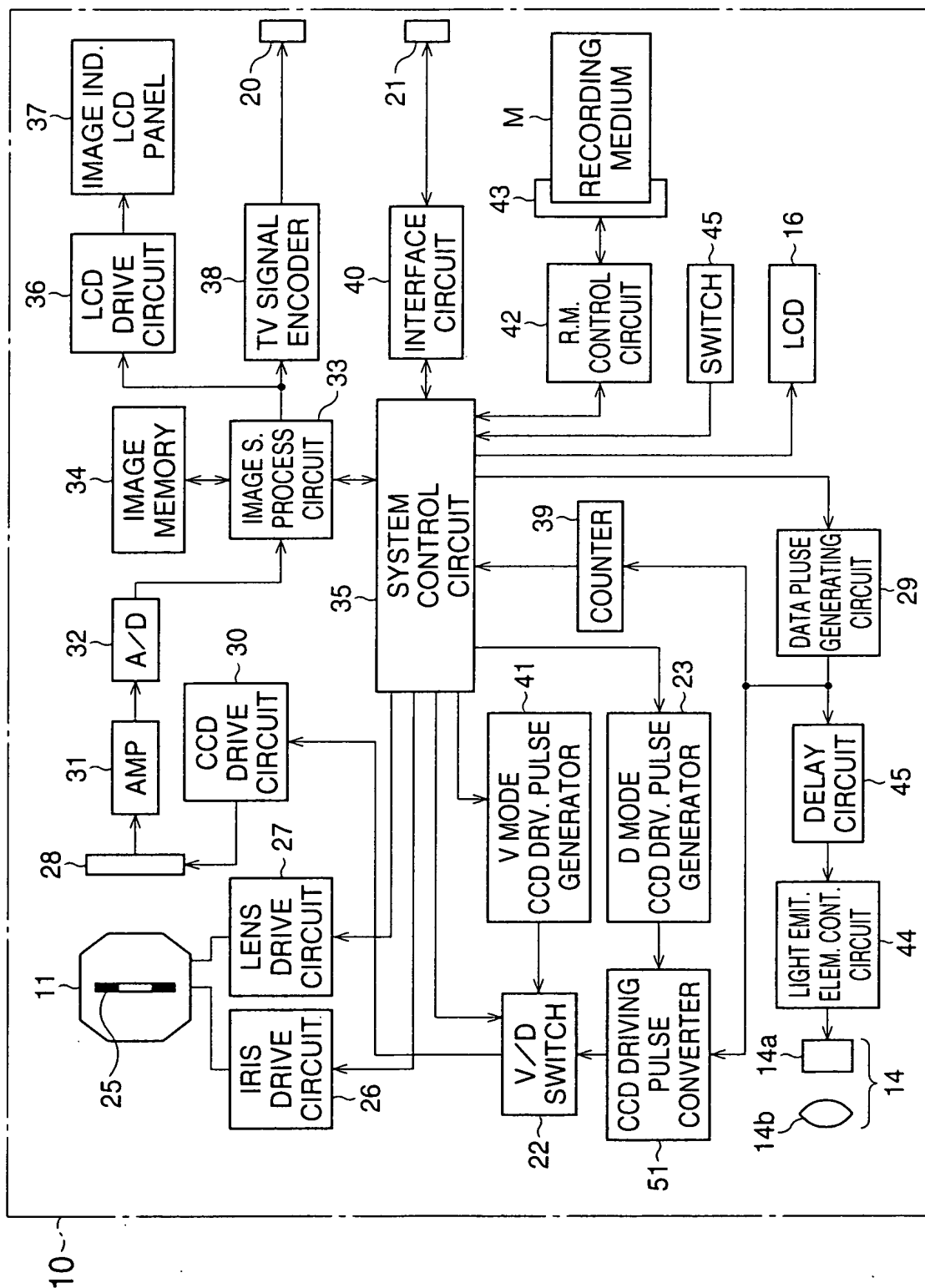
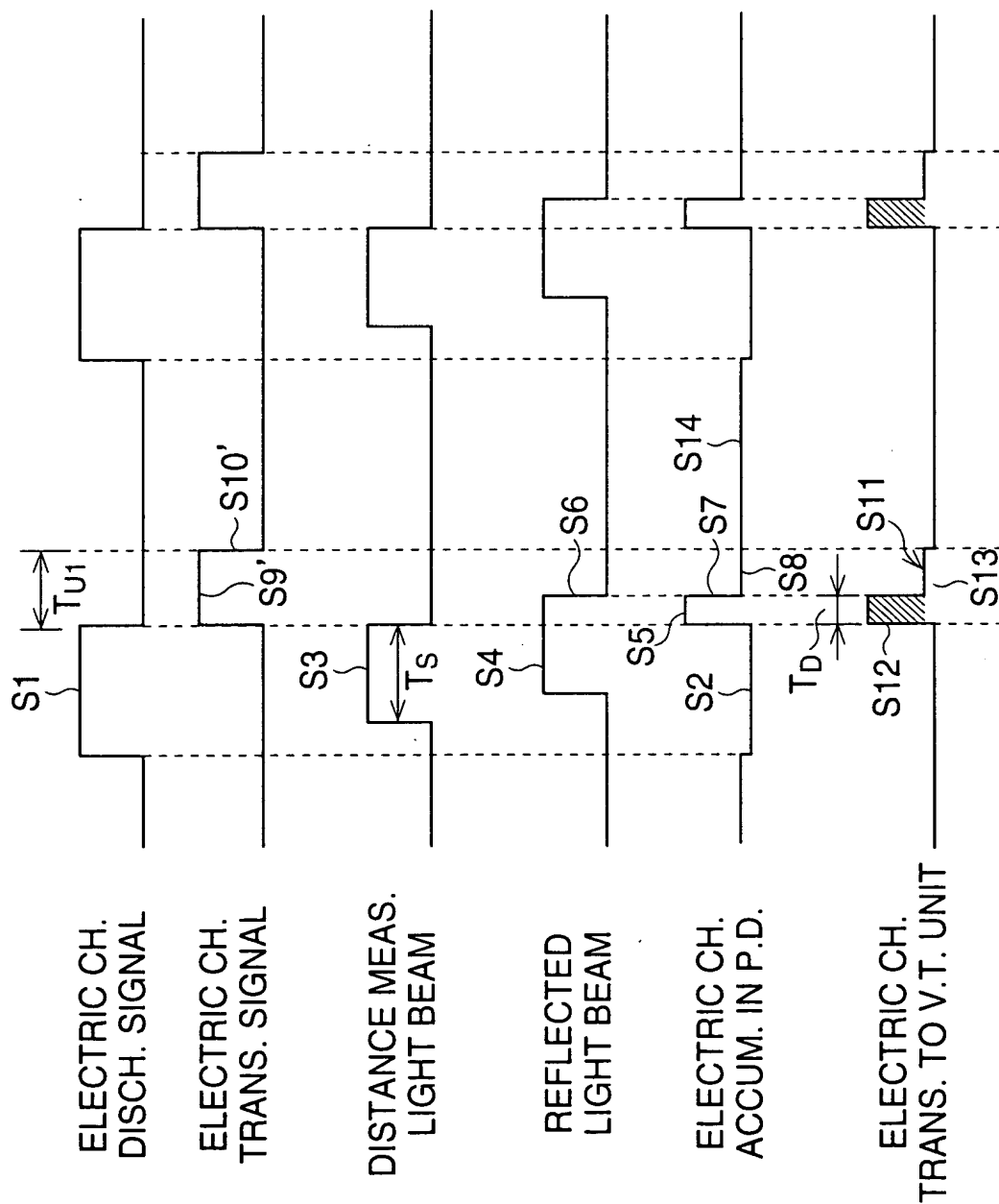


FIG. 24



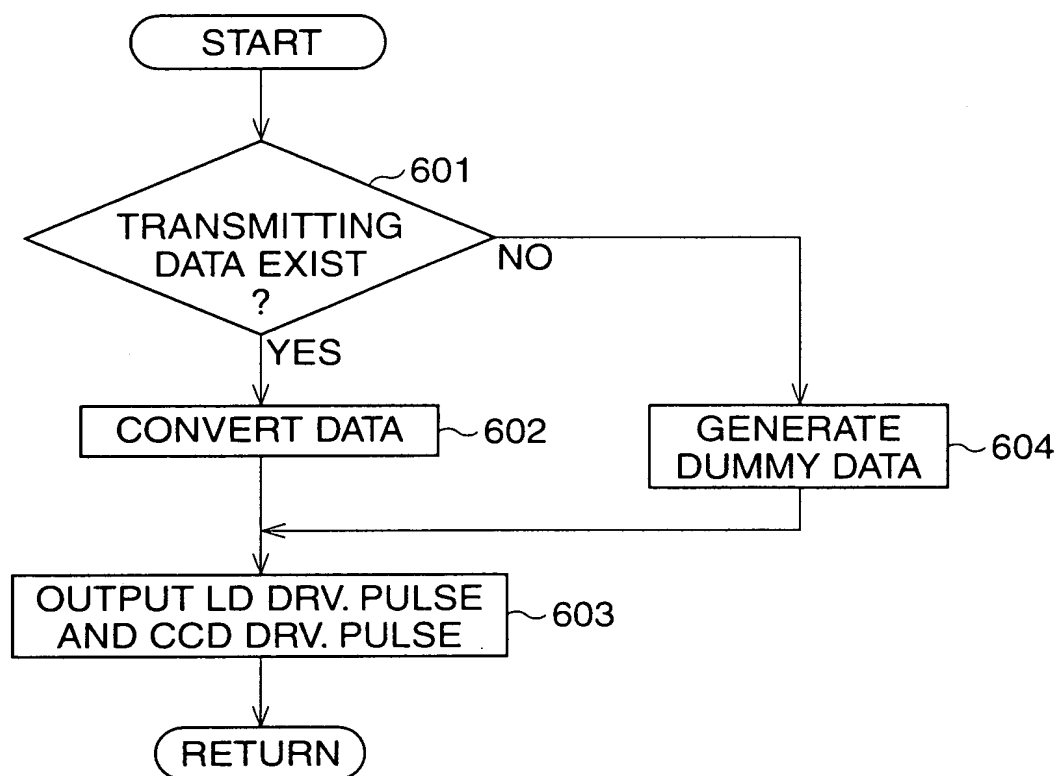


FIG. 26

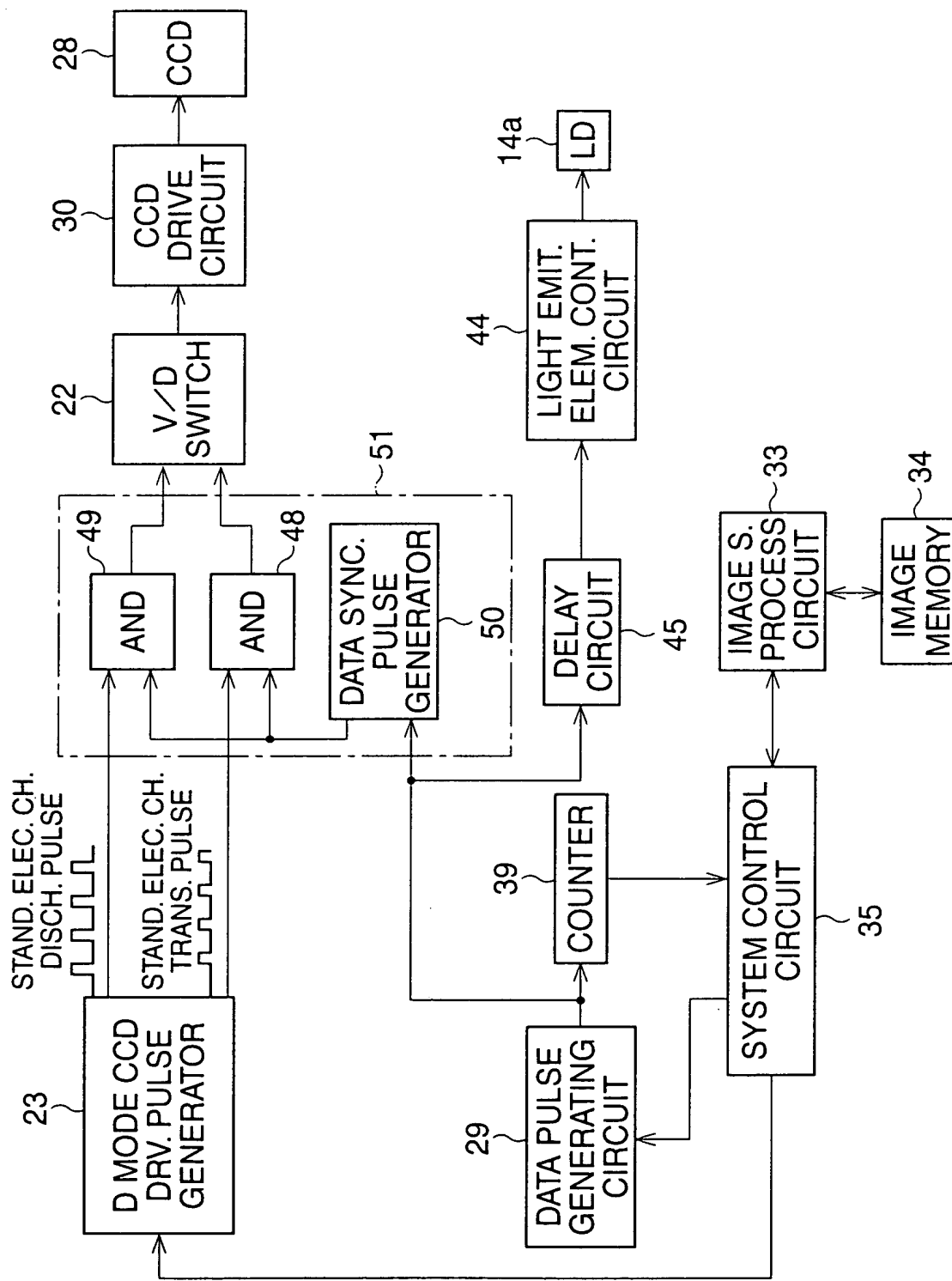


FIG. 27

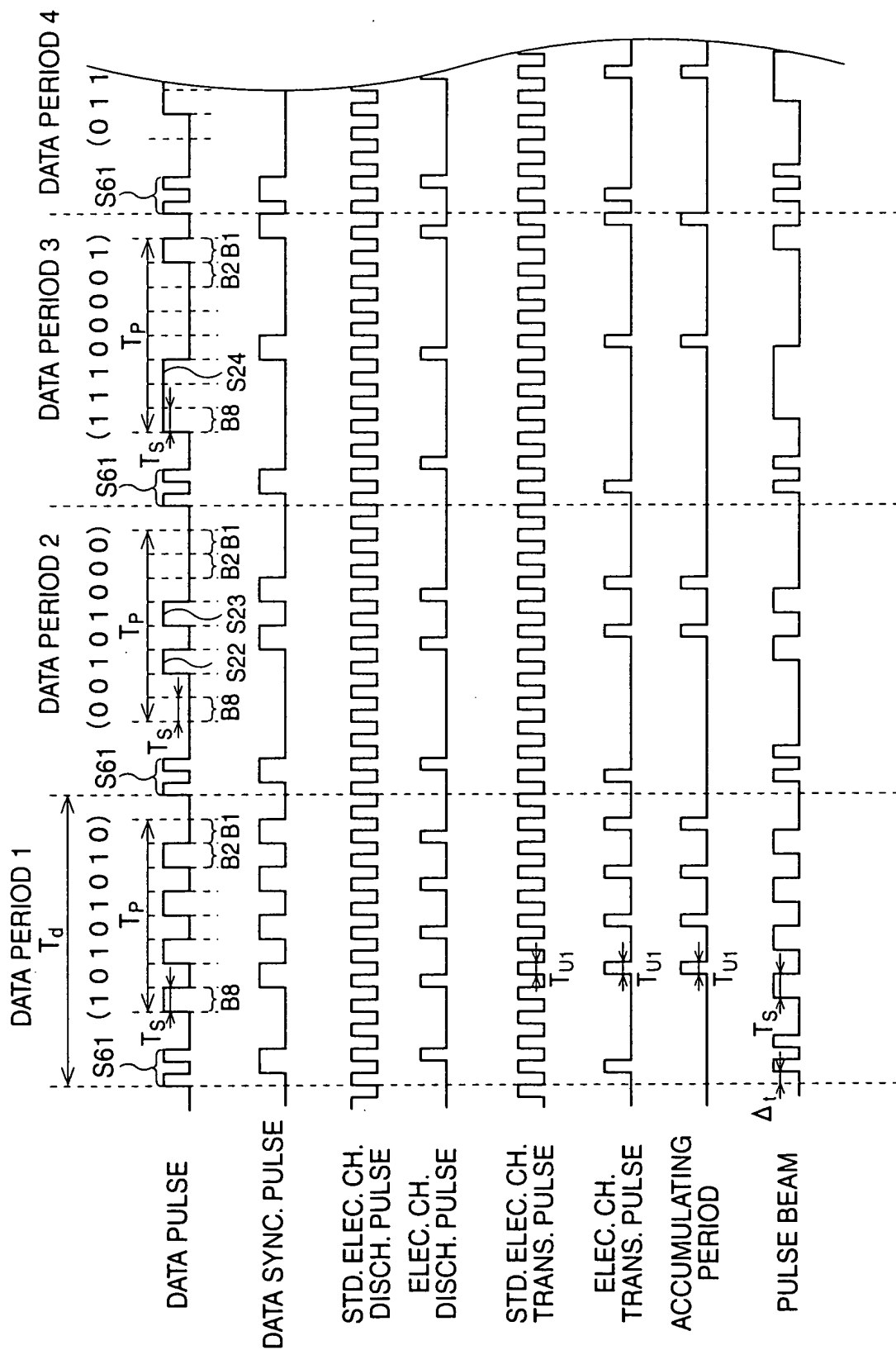


FIG. 28

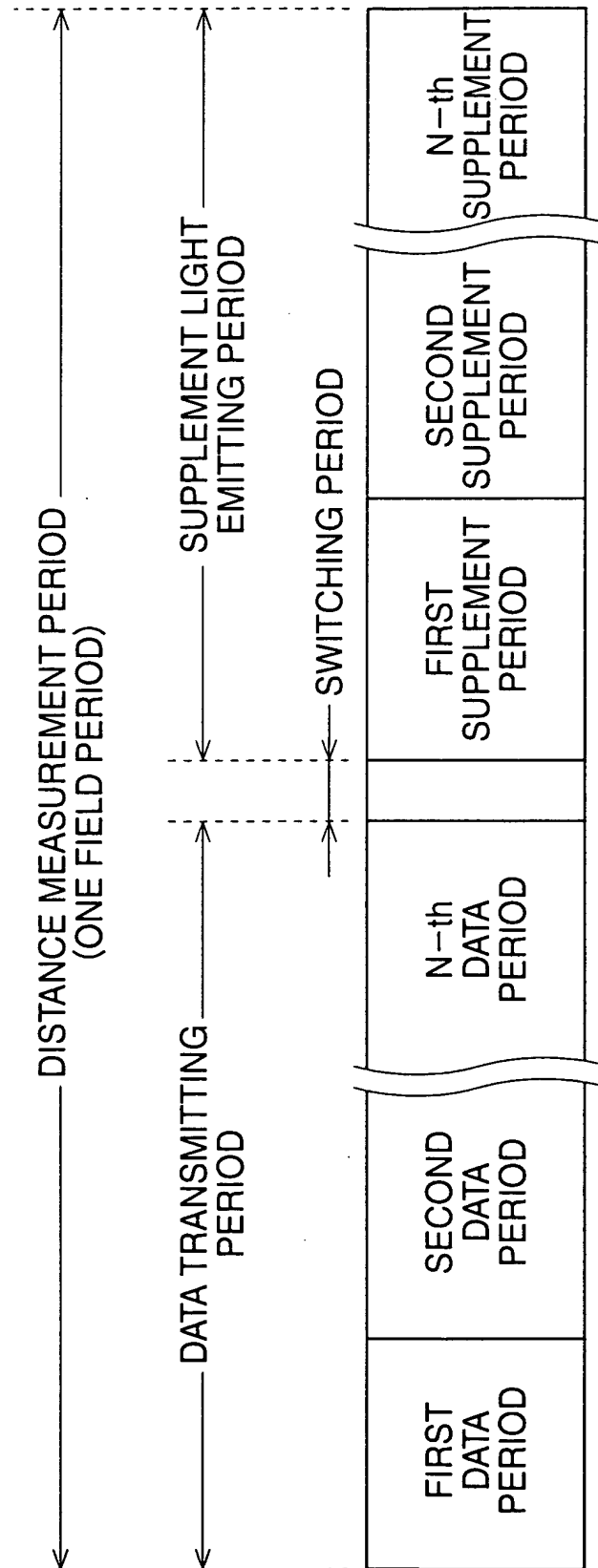


FIG. 29

